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PRODUCT DATASHEET

Anti-Pan-PTPR (Receptor-Type Tyrosine-Protein Phosphatase) Antibody FL490 Conjugate

Product Details

Available Variants	200 µL (SKU:75-194-FL490)
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone	N165/43
Gene Name	PTPRF LAR PTPRD PTPRS
Host Species	Mouse
Concentration	Lot dependent: provided at 0.3-0.5 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	PBS with 0.09% azide
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Applications	ICC
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1315-1607 (cytoplasmic C-terminus) of human LAR (accession number P10586) produced recombinantly in E. Coli
Specificity	Cross-reacts with PTPRD or PTPRS
Molecular Weight	85 kDa (full-length is 210 kDa, smaller due to proteolysis into P-subunit containing transmembrane and intracellular domains)

Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2939716
UniProt ID	P10586 UniProt Summary: Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase) and dephosphorylates EPHA2 regulating its activity.; The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	5792

Product Images



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